

535,716

Rec PCT/PTO 20 MAY 2005

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
8 July 2004 (08.07.2004)

PCT

(10) International Publication Number
WO 2004/056528 A1

(51) International Patent Classification⁷: **B23Q 17/24,**
17/09

(21) International Application Number:
PCT/GB2003/005538

(22) International Filing Date:
18 December 2003 (18.12.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0229459.3 19 December 2002 (19.12.2002) GB

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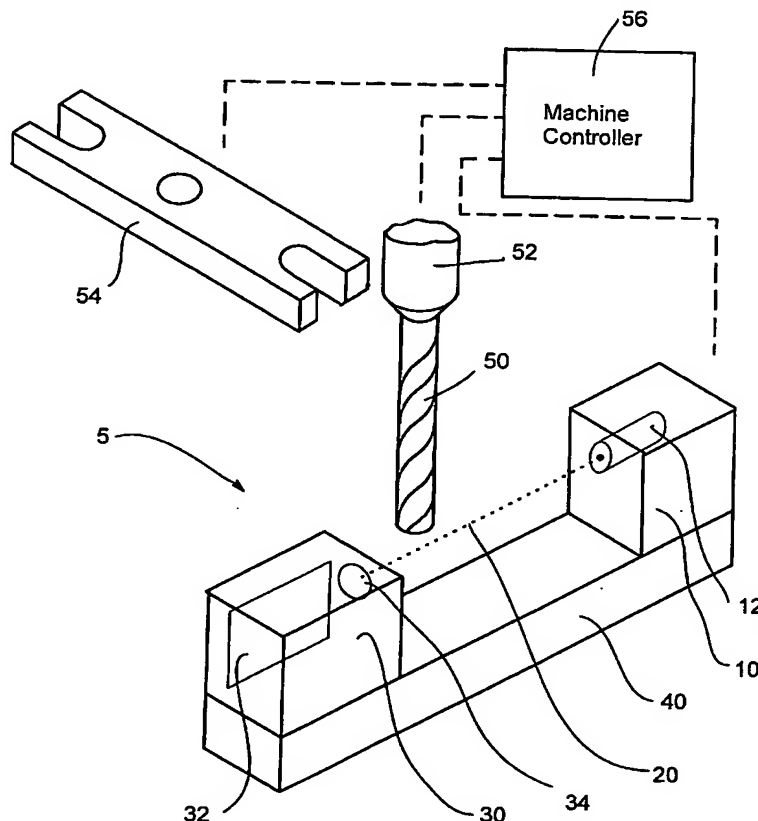
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(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR,
CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR,
KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN,
MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU,
SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA,
UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

[Continued on next page]

(54) Title: TOOL ANALYSIS DEVICE AND METHOD



(57) Abstract: The invention relates to a de-
vice and method for analysis of a tool (50)
e.g. used on a machine tool. A tool detec-
tor (5) includes a light emitter (12) and a light
receiver (34). Tool (50) when progressed into
a beam (20) of light emitted from the emitter
(12) will cause a signal from the receiver to
change. Circuitry (32) includes a digital sig-
nal processor which processes the signal from
the receiver and produces an output only if
the signal conforms to a predetermined con-
dition. Preferably this predetermined condi-
tion could be *e.g.* a characteristic shape of the
signal from the receiver, a change in a value
derived from a succession of such signals or
a change in the minimum or maximum values
of a succession of signals from the receiver.

WO 2004/056528 A1



(84) Designated States (*regional*): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

— of inventorship (Rule 4.17(iv)) for US only

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

In International Application No
PCT/68 03/05538

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B23Q17/24 B23Q17/09

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 B23Q H05K G05B 601B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
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☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

4 May 2004

Date of mailing of the international search report

12/05/2004

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB 03/05538

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